

Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 1.5
Gender	Male 50.0%
Education (years)	12.0 ± 1.0
Income (€)	1,200.0 ± 200.0
Marital status	Married 70.0%
Living alone	30.0%
Smoking status	Smoker 20.0%
Non-smoker	80.0%
Alcohol consumption	Alcohol 10.0%
Non-alcohol	90.0%
Comorbidities	Hypertension 40.0%
Diabetes 15.0%	
Coronary artery disease 25.0%	
Chronic kidney disease 10.0%	
Chronic liver disease 5.0%	
Chronic respiratory disease 12.0%	
Chronic pain 8.0%	
Chronic mental health 3.0%	
Chronic infection 2.0%	
Chronic autoimmune disease 1.0%	
Chronic neurological disease 1.0%	
Chronic hematological disease 1.0%	
Chronic oncological disease 1.0%	
Chronic endocrine disease 1.0%	
Chronic musculoskeletal disease 1.0%	
Chronic dermatological disease 1.0%	
Chronic ophthalmological disease 1.0%	
Chronic otolaryngological disease 1.0%	
Chronic urological disease 1.0%	
Chronic gynecological disease 1.0%	
Chronic pediatric disease 1.0%	
Chronic geriatric disease 1.0%	
Chronic infectious disease 1.0%	
Chronic parasitic disease 1.0%	
Chronic fungal disease 1.0%	
Chronic viral disease 1.0%	
Chronic bacterial disease 1.0%	
Chronic protozoal disease 1.0%	
Chronic helminth disease 1.0%	
Chronic arthropod disease 1.0%	
Chronic zoonotic disease 1.0%	
Chronic prion disease 1.0%	
Chronic neurodegenerative disease 1.0%	
Chronic neuroinfectious disease 1.0%	
Chronic neuroimmunological disease 1.0%	
Chronic neuroendocrine disease 1.0%	
Chronic neurovascular disease 1.0%	
Chronic neurotraumatic disease 1.0%	
Chronic neurodevelopmental disease 1.0%	
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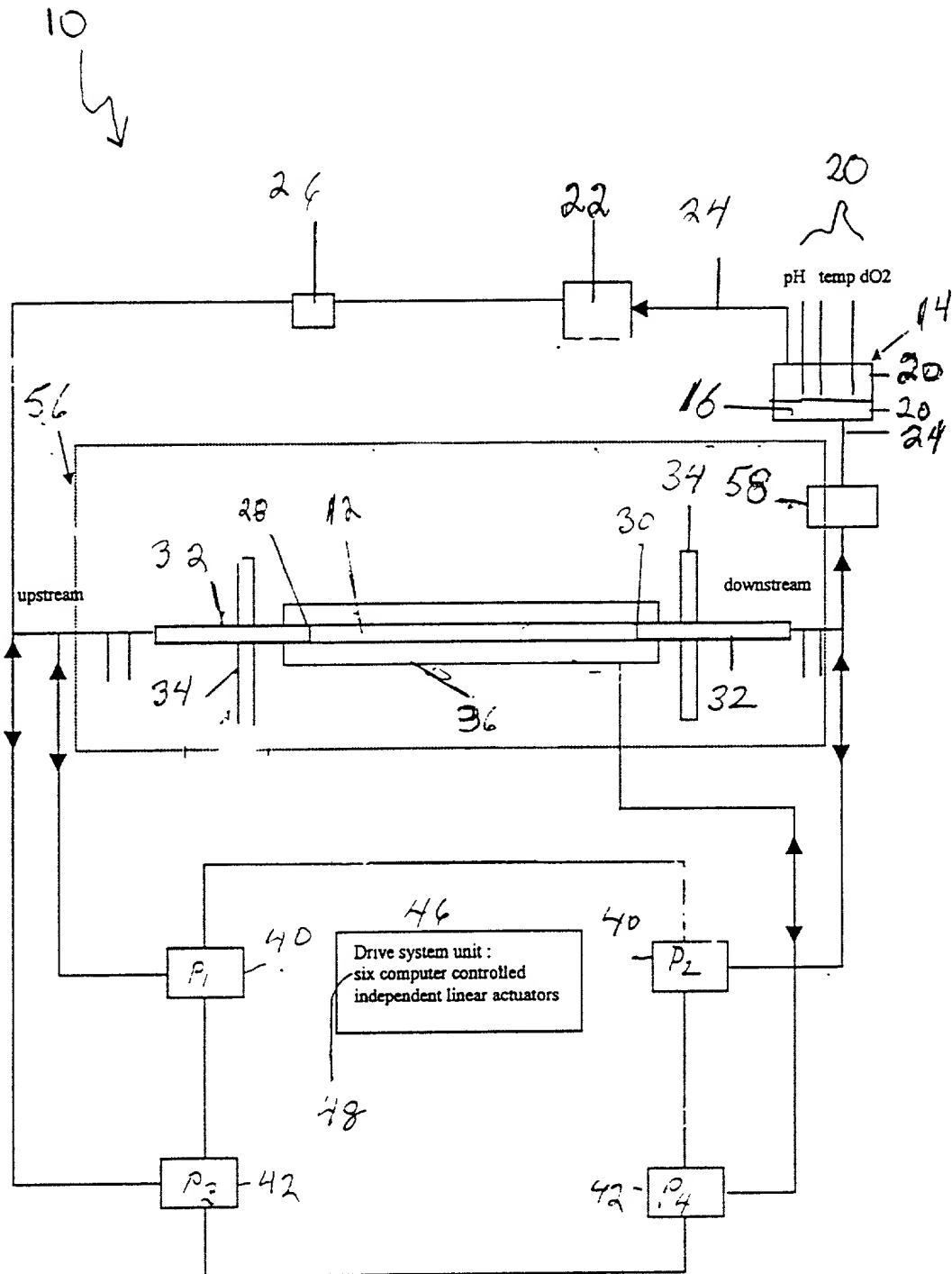


Fig 1c

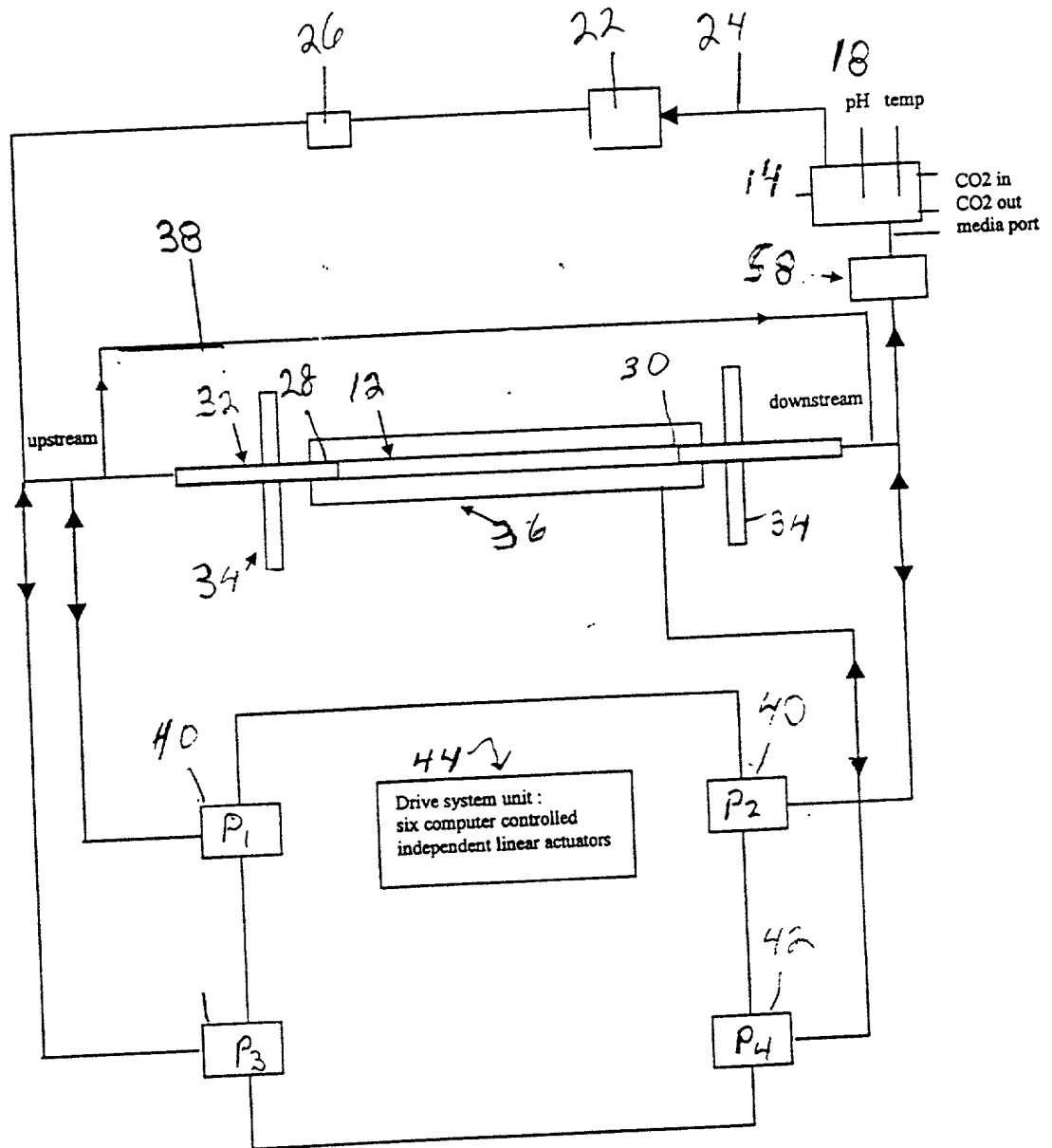


Fig. 1D

Figure 2. 0 degree PHASE
DIFFERENCE (SPA)

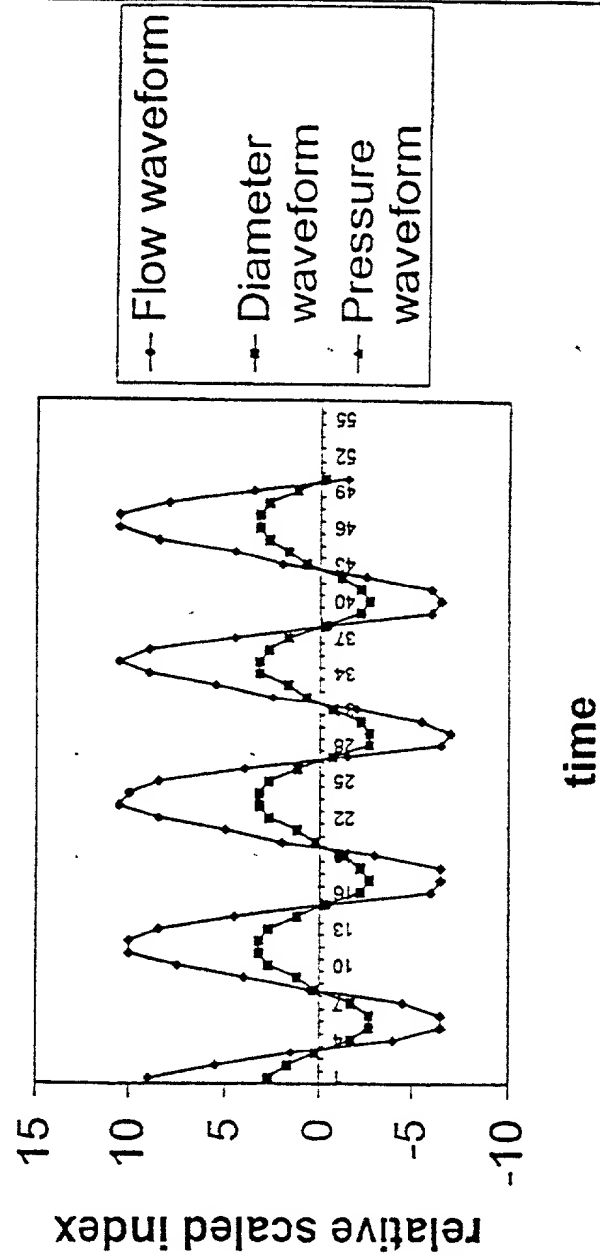


Figure 3. 60 degree PHASE
DIFFERENCE (SPA)

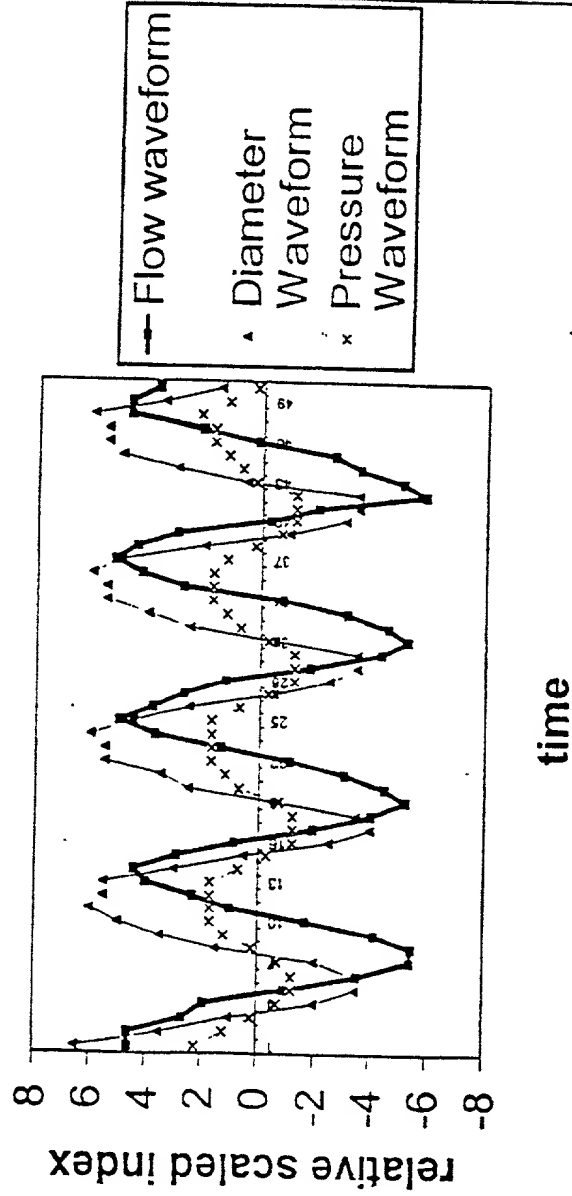


Figure 4. 90 degree PHASE
DIFFERENCE (SPA)

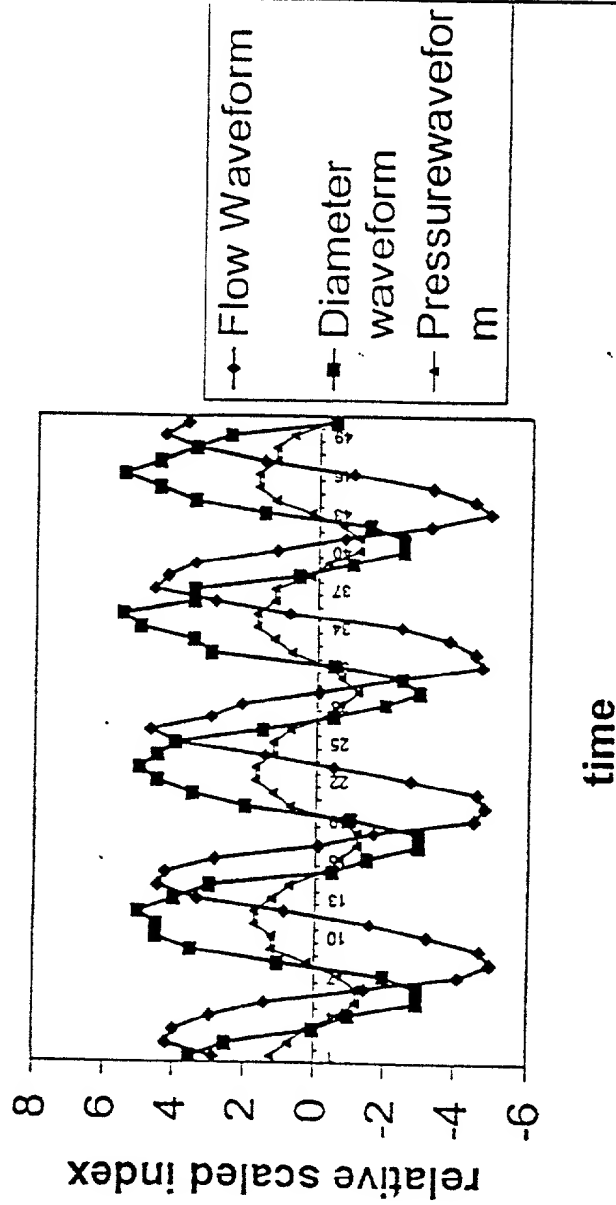
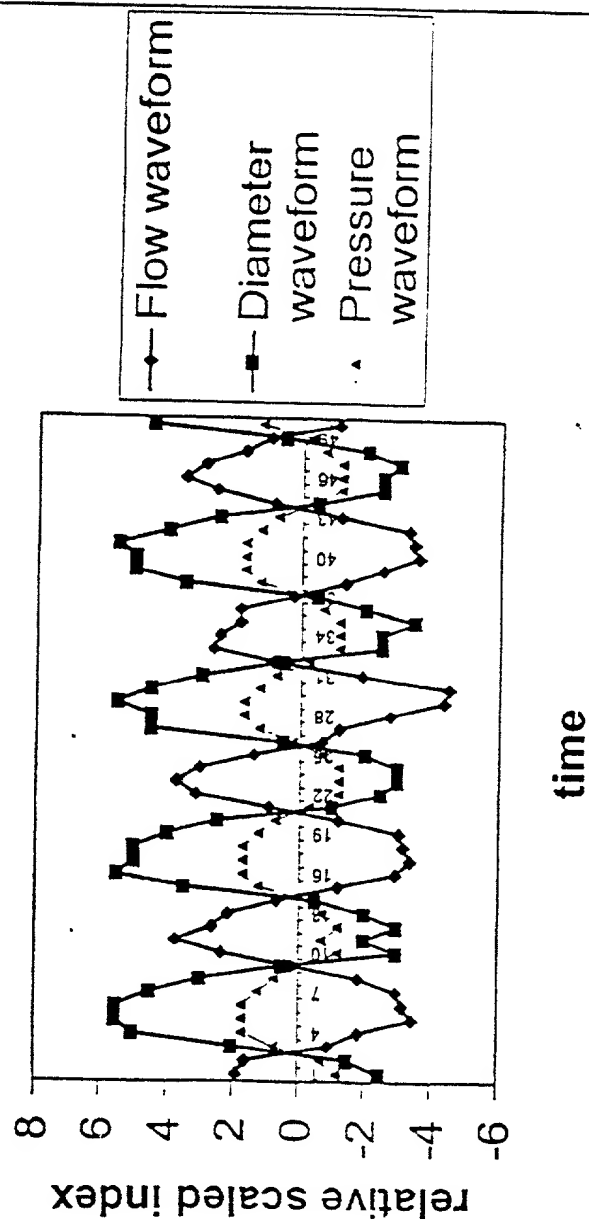


Figure 5 180 degree PHASE
DIFFERENCE



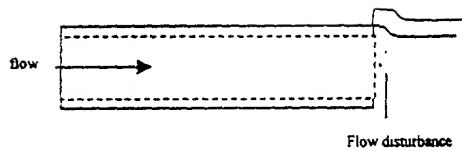
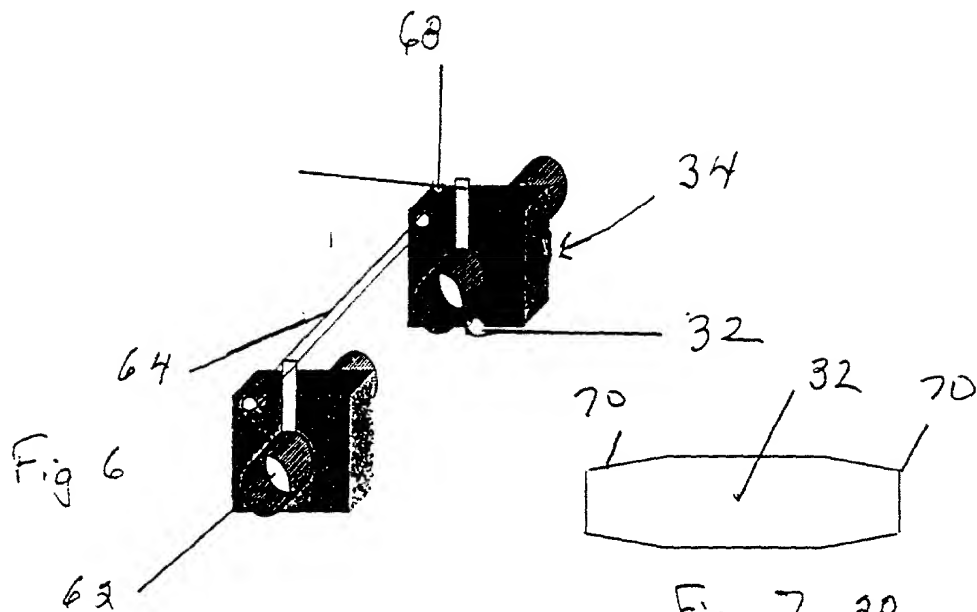


Fig. 8A

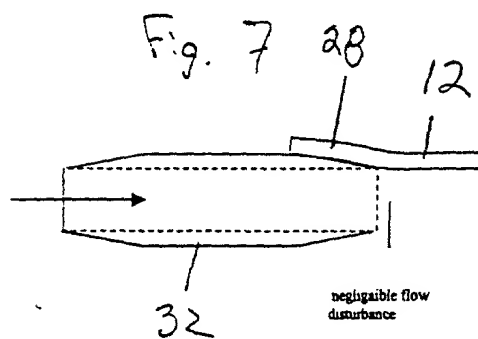


Fig. 8B

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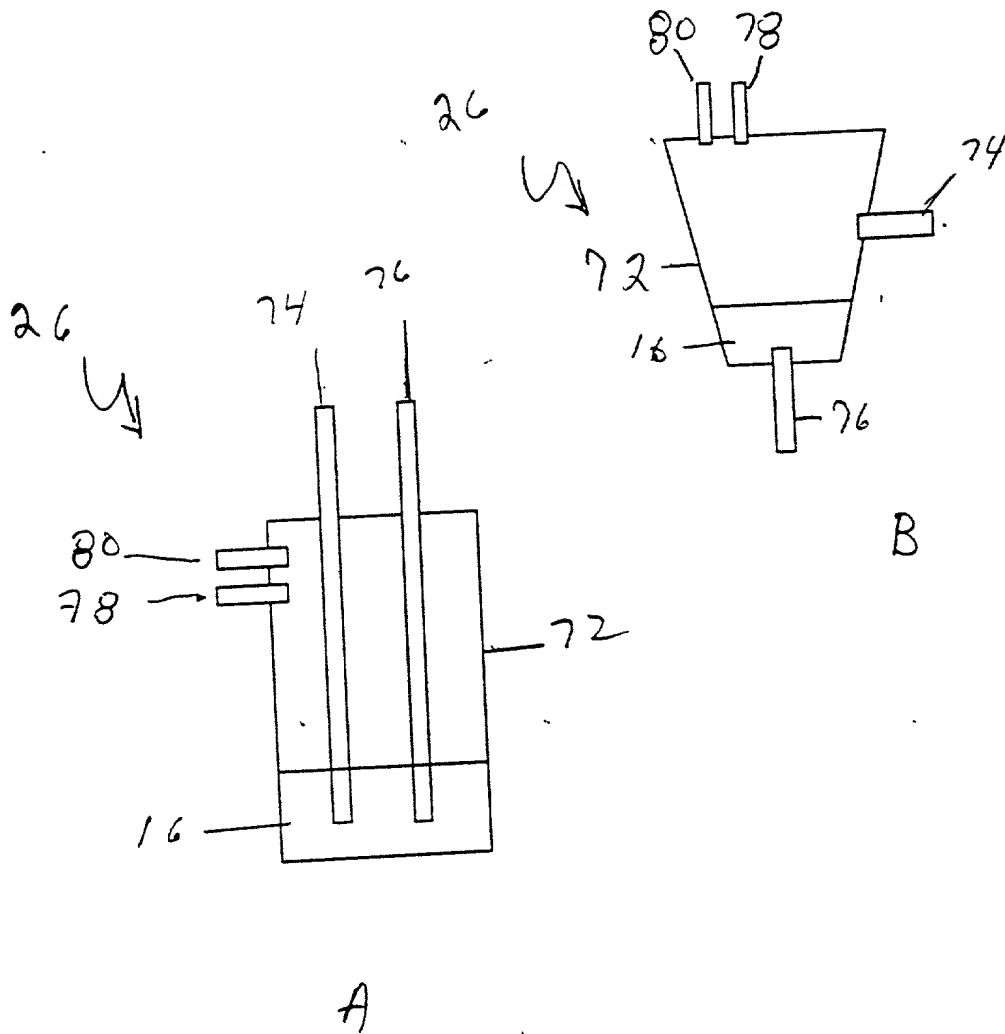


Fig. 9

